

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,202,227 B2  
APPLICATION NO. : 10/010114  
DATED : April 10, 2007  
INVENTOR(S) : R. Boutin

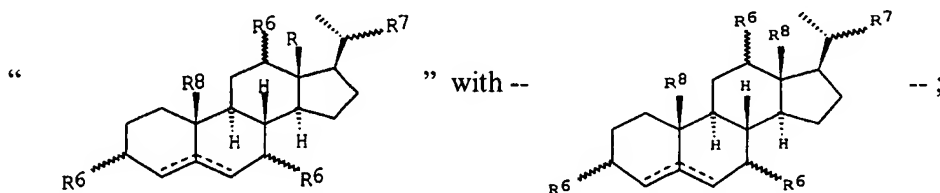
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

\*Col. 2, line 42, replace "R. w." with -- R. W. -- ;

\*Col. 6, line 33, replace "1253-1242" with -- 1235-1242 -- ;

Col. 11, lines 1-11, replace structure inserted below:



Col. 12, line 13, replace "(β-3'" with -- (β1-3' -- ;

Col. 12, after line 15, insert "v) 5-methyltetrahydrofolate;"

Col. 13, line 15, replace "(β-3'" with -- (β1-3' -- ;

\*Col. 14, line 42, replace "be depend" with -- will depend -- ;

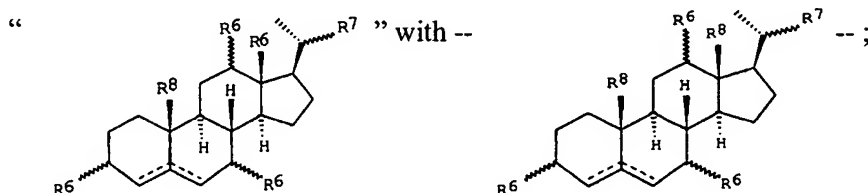
\*Col. 14, line 61, replace "goups" with -- groups -- ;

Col. 17, line 21, replace "Baralambidis" with -- Haralambidis -- ;

Col. 17, line 31, replace "FAGVVIGLAALGVATAANTVTAAVALVK" with -- FAGVVIGLAALGVATAANVTAAVALVK -- ;

Col. 17, line 48, replace "GFFGAIAGFLEGGWEGMIAGWGYTSHG" with -- GFFGAIAGFLEGGWEGMIAGWHGYTSHG -- ;

Col. 18, lines 35-43, replace structure insert below:



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- \*Col 20, line 25, replace " $(\beta-3)$ " with --  $(\beta 1-3)$  -- ;
- Col. 20, line 50, replace " $[N^2, N^6]$ " with -- " $[N^2, N^6]$  -- ;
- Col. 34, line 45, replace " $(\beta-3)$ " with -- " $(\beta-3)$  -- ;
- Col. 34, line 52, replace " $\beta-3$ " with -- " $\beta-3$  -- ;
- Col. 35, line 31, replace "TPA" with -- TFA -- ;
- \*Col. 35, line 63, replace "galalactosyl" with -- galalactosyl -- ;
- \*Col. 37, line 33, replace "6,0" with -- 6.0 -- ;
- \*Col. 37, line 39, replace "lysyl" with -- lysyl -- ;
- Col. 37, line 47, replace "1" with -- "1% -- ;
- \*Col. 37, line 54, replace "proplonyl" with -- propionyl -- ;
- Col. 37, line 60, replace " $-3!$ " with --  $-3$  -- ;
- Col. 39, line 43, replace " $(CDC113)$ " with --  $(CDC13)$  -- ;
- Col. 39, line 62, replace "N-" with --  $N^4$  -- ;
- Col. 40, line 9, replace " $(Na_2S)_4$ ," with --  $Na_2SO_4$  -- ;
- Col. 42, line 2, replace " $-5$ " with --  $-5\beta$  -- ;
- Col. 44, line 4, replace " $R_f$ " with --  $R_f$  -- ;
- Col. 45, line 18, replace " $12\alpha$ " with --  $12''\alpha$  -- ;
- Col. 45, line 45, replace "40" with --  $4^\circ$  -- ;
- Col. 46, line 40, replace " $N^8$ " with --  $N^{12}$  -- ;
- \*Col. 46, line 53, replace "an" with -- and -- ;

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Col. 47, line 53, replace "N-" with -- N<sup>4</sup> -- ;

Col. 48, line 38, replace "N4" with -- N<sup>4</sup> -- ;

\*Col. 48, line 49, replace "wash" with -- washed -- ;

\*Col. 49, line 10, replace "12-brmododecanoic" with -- 12-bromododecanoic -- ;

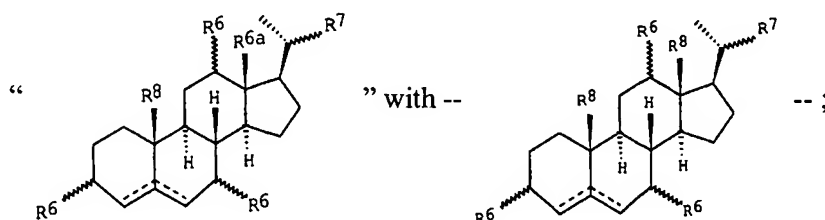
Col. 52, line 62, replace "N-" with -- N<sup>4</sup> -- ;

Col. 71, line 9, Claim 11, replace " $-(CR^1 R^2)_j-X$ , where j=" with  
--  $-(CR^1 R^2)_{j'}-X$ , where j' -- ;

Col. 71, line 39, Claim 11, replace " $\blacktriangle 4$  or  $\blacktriangle 5$ ;" with --  $\Delta 4$  or  $\Delta 5$ ; -- ;

Col. 71, line 41-42, Claim 11, replace "or  $-O(CH_2CH_2O)_nH$ , where n=" with  
--  $-O(CH_2CH_2O)_{n'}H$ , where n' is -- ;

Col. 71, lines 52-60, Claim 11, replace structure inserted below:



\*Col. 75, line 16, Claim 38, delete "a" ;

\*Col. 75, line 26, Claim 39, replace " $\beta$ -3" with --  $\beta$ -3' -- ;

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Col. 76, line 42, Claim 42, replace "of" with -- or -- ;

Col. 76, line 51, Claim 44, insert after "components" -- to which said one or more endosome membrane disruption promoting components -- ;

Signed and Sealed this

Twenty-seventh Day of May, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*